### DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

| ×          | Original                      |             | Supplemental  |       | Substitute       |
|------------|-------------------------------|-------------|---|-------|------------------|
| As a       | below named inventor, I here  | by de       | eclare that:  |       |                  |
| Му r       | esidence, post office address | and o       | citizenship are as stated below next to   | my r  | name, and        |
| and        |                               | e nan       | e inventor (if only one name is listed<br>ne is listed below) of the subject matte<br>on the invention entitled |       |                  |
| <b>5-S</b> | ubstituted 1,1-Dioxo-1,2      | 2,5-t       | hiadiazolidin-3-one Derivativ   | es    |                  |
| the s      | specification of which:       |             |   |       |                  |
|            | is attached hereto.           | -           |   |       | ·                |
|            | was filed on (day             | /mon        | as Application No.  |       | · .              |
|            | and, if this box (□) contains | s an        | ×   |       |                  |
|            | □ was amended on              |             |   |       |                  |
|            | •                             | (day        | //month/year)   |       | ·                |
| ×          | was filed as Patent Coopera   | ation       | Treaty international Application No.  |       |                  |
|            | PCT/EP03/03466                | <del></del> | on <u>02/04/2003</u><br>(day/month/year)  |       |                  |
|            | and, if this box (□) contains | an s        | •   |       | •                |
|            | entered the national          | stag        | e in the United States and was accor  | ded A | Application No.  |
|            | and, if this box (□) contains | an 3        | •   |       |                  |
|            | was amended, subs             | eque        | ent to entry into the national stage, on  |       |                  |
|            |                               |             |   |       | (day/month/year) |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

Case

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

| COUNTRY/REGION<br>(OR P.C.T.)       | APPLICATION No.            | FILING DATE<br>(day/month/year) | Р      | RIORIT    | Y CLAI  | MED       |
|-------------------------------------|----------------------------|---------------------------------|--------|-----------|---------|-----------|
| (UK F.C.T.)                         |                            |                                 |        | Yes       |         | No        |
|                                     |                            |                                 |        | Yes       |         | No        |
|                                     |                            |                                 |        | Yes       |         | No        |
|                                     |                            |                                 |        | Yes       |         | No        |
|                                     |                            |                                 |        | Yes       |         | No .      |
| I hereby claim the benefi<br>below: | t under 35 U.S.C. 119(e) o | of any United States pro        | vision | al applic | ation(s | s) listed |
| APPLICATION NO.                     |                            | FILING DATE (day/month/year)    |        |           |         |           |
| 60/369,930                          |                            | 03/04/2002                      |        |           |         |           |
| 60/369,779                          |                            | 03/04/2002                      |        |           |         |           |

|                               | United States    | Status (Pending,  | Interna         | ational                             |
|-------------------------------|------------------|-------------------|-----------------|-------------------------------------|
| United States Application No. |                  | Abandoned or U.S. | Application No. | and Filing Date<br>(day/month/year) |
| , 4                           | (day/month/year) | Patent No.)       |                 | (day/month/year)                    |

If this box ( $\square$ ) contains an x  $\boxtimes$ , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor Gary Mark COPPOLA Date Inventor's signature Budd Lake, NJ 07828, USA Residence citizen of USA Citizenship 18 Aldersgate Circle Post Office Address Budd Lake, NJ 07828 **USA** Full name of second John William DAVIES joint inventor, if any Date Inventor's signature Winchester MA 01890, USA Residence citizen of Great Britain Citizenship **162 Forest Street** Post Office Address Winchester MA 01890 USA

| Full name of third joint inventor, if any  | Charles Francis JEWELL, JR.                   |             |                                |
|--|---|-------------|--------------------------------|
| Inventor's signature                       | Charles F Jewell Jr.                          | Date _      | / October 200 (day/month/year) |
| Residence                                  | Sudbury, MA 01776, USA                        |             |                                |
| Citizenship                                | citizen of USA                                |             |                                |
| Post Office Address                        | 38 Lakewood Drive<br>Sudbury, MA 01776<br>USA |             |                                |
| Full name of fourth joint inventor, if any | Yu-Chin LI                                    |             |                                |
| Inventor's signature                       |   | Date        | (day/month/year)               |
| Residence                                  | Edison, NJ 08820, USA                         |             |                                |
| Citizenship                                | citizen of USA                                |             |                                |
| Post Office Address                        | 3 Hawthorn Drive<br>Edison, NJ 08820<br>USA   |             |                                |
| Full name of fifth joint inventor, if any  | James Richard WAREING                         |             |                                |
| Inventor's signature                       |   | Date        |                                |
| Hiverior o organization                    |   | <del></del> | (day/month/year)               |
| Residence                                  | Stow MA 01775, USA,                           |             |                                |
| Citizenship                                | citizen of USA                                |             | •                              |
| Post Office Address                        | 9 Cricket Court<br>Stow MA 01775<br>USA       |             |                                |

| Full name of sixth joint inventor, if any   | Donald Mark SPERBECK                              |        |                  |
|---|---|--------|------------------|
| Inventor's signature                        |   | Date _ | (day/month/year) |
| Residence                                   | Berkeley Heights, NJ 07922, USA                   |        |                  |
| Citizenship                                 | citizen of USA                                    |        |                  |
| Post Office Address                         | 16 Helen Way<br>Berkeley Heights, NJ 07922<br>USA | ,      | · .              |
| Full name of seventh joint inventor, if any | Travis Mathew STAMS                               |        |                  |
| Inventor's signature                        | ·   | Date - | (day/month/year) |
| Residence                                   | Stow MA 01775, USA                                |        |                  |
| Citizenship                                 | citizen of USA                                    |        |                  |
| Post Office Address                         | 23 Robinwood Lane<br>Stow MA 01775<br>USA         |        |                  |
| Full name of eighth joint inventor, if any  | Sidney Wolf TOPIOL                                |        |                  |
| Inventor's signature                        |   | Date   |                  |
| -   |   |        | (day/month/year) |
| Residence                                   | Fair Lawn, NJ 07410, USA                          |        |                  |

citizen of USA

USA

15 Lafayette Place Fair Lawn, NJ 07410

Citizenship

Post Office Address

| Full name of ninth joint inventor, if any    | Isidoros VLATTAS                              |      |                  |
|--|---|------|------------------|
| Inventor's signature                         |   | Date | () () () ()      |
|  |   |      | (day/month/year) |
| Residence                                    | Summit, NJ 07901, USA                         |      |                  |
| Citizenship                                  | citizen of USA                                |      |                  |
| Post Office Address                          | 131 Butler Parkway<br>Summit, NJ 07901<br>USA |      |                  |
| Full name of tenth joint inventor, if any    |   |      |                  |
| Inventor's signature                         |   | Date | (1-1-2-4-4-2-2)  |
|  |   | •    | (day/month/year) |
| Residence                                    |   |      |                  |
| Citizenship                                  |   |      |                  |
| Post Office Address                          |   |      |                  |
|  |   |      |                  |
| Full name of eleventh joint inventor, if any |   |      |                  |
|  |   |      |                  |
| Inventor's signature                         |   | Date | (day/month/year) |
|  |   |      |                  |
| Residence                                    | •   |      |                  |
| Citizenship                                  |   |      |                  |
| Post Office Address                          |   |      |                  |

## DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION Supplemental Substitute Original As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled 5-Substituted 1,1-Dioxo-1,2,5-thiadiazolidin-3-one Derivatives the specification of which: is attached hereto. was filed on as Application No. (day/month/year) and, if this box ( ) contains an \* was amended on (day/month/year) was filed as Patent Cooperation Treaty international Application No. × PCT/EP03/03466 02/04/2003 (day/month/year) and, if this box ( ) contains an \* entered the national stage in the United States and was accorded Application No. and, if this box (□) contains an 🗴 was amended, subsequent to entry into the national stage, on (day/month/year)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

| COUNTRY/REGION<br>(OR P.C.T.)        | APPLICATION No.            | FILING DATE<br>(day/month/year) | PRI      | ORITY CLA    | IIMED     |
|--------------------------------------|----------------------------|---------------------------------|----------|--------------|-----------|
| (0)(1.0.1.)                          | 1                          |                                 | □ Y      | ′es □        | No        |
|                                      |                            |                                 | □ Y      | ∕es □        | No        |
|                                      |                            |                                 | □ Y      | ∕es □        | No        |
|                                      |                            |                                 | □ . Y    | ∕es □        | No        |
|                                      |                            |                                 |          | ∕es □        | No .      |
| I hereby claim the benefit<br>below: | t under 35 U.S.C. 119(e) o | of any United States prov       | visional | application( | s) listed |
| APPLICATION NO.                      |                            | FILING DATE (day/month/year)    |          |              |           |
| 60/369,930                           |                            | 03/04/2002                      |          |              |           |
| 60/369 779                           |                            | 03/04/2002                      |          |              |           |

| •               |                 |                   |                 |                  |
|-----------------|-----------------|-------------------|-----------------|------------------|
| United States   | Inited States   | Status (Pending,  | Interna         | _                |
| Officed States  |                 | Abandoned or U.S. | Application No. | and Filing Date  |
| Application No. | lay/month/year) | Patent No.)       |                 | (day/month/year) |

If this box ( $\square$ ) contains an x  $\boxtimes$ , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| Full name of sole<br>or first joint inventor | Gary Mark COPPOLA                                  |          |                  |
|--|--|----------|------------------|
| Inventor's signature                         |  | Date _   | (day/month/year) |
| Residence                                    | Budd Lake, NJ 07828, USA                           |          |                  |
| Citizenship                                  | citizen of USA                                     |          |                  |
| Post Office Address                          | 18 Aldersgate Circle<br>Budd Lake, NJ 07828<br>USA |          |                  |
| Full name of second joint inventor, if any   | John William DAVIES                                |          |                  |
| Inventor's signature                         |  | Date<br> | (day/month/year) |
| Residence                                    | Winchester MA 01890, USA                           |          |                  |
| Citizenship                                  | citizen of Great Britain                           |          |                  |
| Post Office Address                          | 162 Forest Street<br>Winchester MA 01890<br>USA    |          |                  |

USA

| j | Full name of third joint inventor, if any  | Charles Francis JEWELL, JR.                   |                  |
|---|--|---|------------------|
| I | Inventor's signature                       | Date  | (day/month/year) |
| I | Residence                                  | Sudbury, MA 01776, USA                        |                  |
| , | Citizenship                                | citizen of USA                                |                  |
| 1 | Post Office Address                        | 38 Lakewood Drive<br>Sudbury, MA 01776<br>USA |                  |
|   | Full name of fourth joint inventor, if any | Yu-Chin LI                                    |                  |
| i | Inventor's signature                       | Date  | (day/month/year) |
|   | Residence                                  | Edison, NJ 08820, USA                         |                  |
|   | Citizenship                                | citizen of USA                                |                  |
|   | Post Office Address                        | 3 Hawthorn Drive<br>Edison, NJ 08820<br>USA   |                  |
|   | Full name of fifth joint inventor, if any  | James Richard WAREING                         |                  |
|   | Inventor's signature                       | Jame Richard Wareny Date                      | (day/month/year) |
|   | Residence                                  | Stow MA 01775, USA,                           |                  |
|   | Citizenship                                | citizen of USA                                |                  |
| ١ | Post Office Address                        | 9 Cricket Court<br>Stow MA 01775              |                  |

| Full name of sixth joint inventor, if any  | Donald Mark SPERBECK                              |        |                  |
|--|---|--------|------------------|
| Inventor's signature                       |   | Date _ | (day/month/year) |
| Residence                                  | Berkeley Heights, NJ 07922, USA                   |        |                  |
| Citizenship                                | citizen of USA                                    |        |                  |
| Post Office Address                        | 16 Helen Way<br>Berkeley Heights, NJ 07922<br>USA |        |                  |
| Full name of seventh                       | Travis Mathew STAMS                               |        |                  |
| joint inventor, if any                     |   |        | •                |
|  | )   | Date   |                  |
| Inventor's signature                       |   |        | (day/month/year) |
| Residence                                  | Stow MA 01775, USA                                |        |                  |
| Citizenship                                | citizen of USA                                    |        |                  |
| Post Office Address                        | 23 Robinwood Lane<br>Stow MA 01775<br>USA         |        |                  |
| Full name of eighth joint inventor, if any | Sidney Wolf TOPIOL                                | ,      |                  |
|  |   | Date   |                  |
| Inventor's signature                       |   |        | (day/month/year) |
| Residence                                  | Fair Lawn, NJ 07410, USA                          |        |                  |
| Citizenship                                | citizen of USA                                    |        |                  |
| Post Office Address                        | 15 Lafayette Place<br>Fair Lawn, NJ 07410<br>USA  |        |                  |

Post Office Address

| Full name of ninth joint inventor, if any    | Isidoros VLATTAS                              |          |                  |
|--|---|----------|------------------|
|  |   | Date     |                  |
| Inventor's signature                         |   | <u>.</u> | (day/month/year) |
| Residence                                    | Summit, NJ 07901, USA                         |          |                  |
| Citizenship                                  | citizen of USA                                |          |                  |
| Post Office Address                          | 131 Butler Parkway<br>Summit, NJ 07901<br>USA |          | ,                |
| Full name of tenth                           |   |          |                  |
| joint inventor, if any                       |   |          |                  |
| Inventor's signature                         |   | Date     |                  |
| Myerior 3 signature                          |   |          | (day/month/year) |
| Residence                                    |   |          |                  |
| Citizenship                                  |   |          |                  |
| Post Office Address                          | ,   |          |                  |
|  |   |          | •                |
| Full name of eleventh joint inventor, if any |   |          |                  |
|  |   | Date     |                  |
| Inventor's signature                         |   |          | (day/month/year) |
| Residence                                    |   |          |                  |
| Citizenship                                  |   |          |                  |

#### **DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION**

| ×     | Original  | ☐ Supple        | mental                         |                 | Substitute   |
|-------|---|-----------------|--------------------------------|-----------------|--|
|       |   |                 |                                |                 |  |
| As a  | below named inventor, I here  | by declare the  | at:                            |                 |  |
| My r  | esidence, post office address   | and citizensh   | ip are as stated below next to | my r            | name, and  |
| and j | ieve I am the original, first an<br>joint inventor (if more than one<br>h a United States patent is sou | e name is liste | ed below) of the subject matte | belov<br>er whi | w) or an original, first<br>ich is claimed and for |
| 5-S   | ubstituted 1,1-Dioxo-1,2  | 2,5-thiadia     | zolidin-3-one Derivative       | es              |  |
| the s | pecification of which:  |                 |                                |                 | ·  |
|       | is attached hereto.   | ·               |                                |                 |  |
|       | was filed on (day   | /month/year)    | as Application No.             |                 |  |
|       | and, if this box (□) contains   | s an 🗴          |                                |                 |  |
|       | was amended on  |                 |                                |                 |  |
|       |   | (day/month/y    | ear)                           |                 | •  |
| ×     | was filed as Patent Coopera   | ation Treaty in | nternational Application No.   |                 |  |
|       | PCT/EP03/03466  | on              | 02/04/2003<br>day/month/year)  |                 |  |
|       | and, if this box (□) contains   | an ×            |                                |                 |  |
|       | ☐ entered the national  | stage in the    | United States and was accor    | ded /           | Application No.                                    |
|       | and, if this box (□) contains   | an ×            |                                |                 |  |
| ٠     | was amended, subs   | equent to ent   | ry into the national stage, on | _               | (day/month/year)                                   |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

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60/369,779

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

| COUNTRY/REGION<br>(OR P.C.T.)   | APPLICATION No. | FILING DATE (day/month/year) | PRIORITY CLAIM |     | MED   |      |  |  |
|---|-----------------|------------------------------|----------------|-----|-------|------|--|--|
| [UKP.U.1.]  |                 |                              |                | Yes |       | No   |  |  |
|   |                 |                              |                | Yes |       | No   |  |  |
|   |                 |                              |                | Yes |       | No   |  |  |
|   |                 |                              |                | Yes |       | No   |  |  |
|   |                 |                              |                | Yes |       | No . |  |  |
| I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below: |                 |                              |                |     |       |      |  |  |
| APPLICATION NO.   |                 | FILING DATE (day/month/year) |                |     | ·<br> | · .  |  |  |
| 60/369,930  | <del></del>     | 03/04/2002                   |                |     |       |      |  |  |
| 221222 770  |                 | 03/04/2002                   |                |     |       |      |  |  |

|                 | United States    | Status (Pending,  | Interna         | ational          |
|-----------------|------------------|-------------------|-----------------|------------------|
| United States   |                  | Abandoned or U.S. | Application No. | and Filing Date  |
| Application No. | (day/month/year) | Patent No.)       |                 | (day/month/year) |

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| Full name of sole<br>or first joint inventor | Gary Mark COPPOLA                                  |        |                  |
|--|--|--------|------------------|
| Inventor's signature                         | · · · · · · · · · · · · · · · · · · ·              | Date   | (day/month/year) |
| Residence                                    | Budd Lake, NJ 07828, USA                           |        |                  |
| Citizenship                                  | citizen of USA                                     |        |                  |
| Post Office Address                          | 18 Aldersgate Circle<br>Budd Lake, NJ 07828<br>USA |        |                  |
| Full name of second joint inventor, if any   | John William DAVIES                                |        |                  |
| Inventor's signature                         | ·  | Date - | (day/month/year) |
| Residence                                    | Winchester MA 01890, USA                           |        |                  |
| Citizenship                                  | citizen of Great Britain                           |        |                  |
| Post Office Address                          | 162 Forest Street<br>Winchester MA 01890<br>USA    |        |                  |

| Full name of third joint inventor, if any  | Charles Francis JEWELL, JR.                   |        |                                |
|--|---|--------|--------------------------------|
| Inventor's signature                       |   | Date   | (day/month/year)               |
| Residence                                  | Sudbury, MA 01776, USA                        |        |                                |
| Citizenship                                | citizen of USA                                |        |                                |
| Post Office Address                        | 38 Lakewood Drive<br>Sudbury, MA 01776<br>USA |        |                                |
| Full name of fourth joint inventor, if any | Yu-Chin LI                                    |        |                                |
| Inventor's signature                       | Jung.   | Date . | 01/10/2004<br>(day/month/year) |
| Residence                                  | Edison, NJ 08820, USA                         |        |                                |
| Citizenship                                | citizen of USA                                | :      | • •                            |
| Post Office Address                        | 3 Hawthorn Drive<br>Edison, NJ 08820<br>USA   |        |                                |
| Full name of fifth joint inventor, if any  | James Richard WAREING                         |        |                                |
| Inventor's signature                       |   | Date   |                                |
|  |   |        | (day/month/year)               |
| Residence                                  | Stow MA 01775, USA,                           |        |                                |
| Citizenship                                | citizen of USA                                |        |                                |
| Post Office Address                        | 9 Cricket Court<br>Stow MA 01775              |        |                                |

**USA** 

| Full name of sixth joint inventor, if any   | Donald Mark SPERBECK                              |        |                                |
|---|---|--------|--------------------------------|
| Inventor's signature                        | - Donald Mark Sperbeck                            | Date _ | 04 /10 /04<br>(day/month/year) |
| Residence                                   | Berkeley Heights, NJ 07922, USA                   |        | · .                            |
| Citizenship                                 | citizen of USA                                    |        |                                |
| Post Office Address                         | 16 Helen Way<br>Berkeley Heights, NJ 07922<br>USA |        |                                |
| Full name of seventh joint inventor, if any | Travis Mathew STAMS                               |        |                                |
| Inventor's signature                        |   | Date   | (day/month/year)               |
| Residence                                   | Stow MA 01775, USA                                |        | ·                              |
| Citizenship                                 | citizen of USA                                    |        |                                |
| Post Office Address                         | 23 Robinwood Lane<br>Stow MA 01775<br>USA         | •      |                                |
| Full name of eighth joint inventor, if any  | Sidney Wolf TOPIOL                                |        |                                |
| Inventor's signature                        |   | Date   | (day/month/year)               |
| Residence                                   | Fair Lawn, NJ 07410, USA                          |        |                                |
| Citizenship                                 | citizen of USA                                    |        |                                |
| Post Office Address                         | 15 Lafayette Place                                |        |                                |

| Full name of ninth joint inventor, if any    | Isidoros VLATTAS                              |      |                  |
|--|---|------|------------------|
| Inventor's signature                         |   | Date | (day/month/year) |
| Residence                                    | Summit, NJ 07901, USA                         |      |                  |
| Citizenship                                  | citizen of USA                                |      |                  |
| Post Office Address                          | 131 Butler Parkway<br>Summit, NJ 07901<br>USA |      |                  |
|  |   |      |                  |
| Full name of tenth joint inventor, if any    |   |      |                  |
|  |   |      |                  |
| Inventor's signature                         |   | Date | (day/month/year) |
|  |   |      |                  |
| Residence                                    | •   |      |                  |
| Citizenship                                  |   |      |                  |
| Post Office Address                          |   |      |                  |
|  |   |      |                  |
| Full name of eleventh joint inventor, if any |   |      |                  |
|  |   |      |                  |
| Inventor's signature                         |   | Date | (day/month/year) |
|  |   |      |                  |
| Residence                                    |   |      |                  |
| Citizenship                                  |   |      |                  |
| Post Office Address                          |   |      |                  |

### **DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION**

| ×    | Original             |                    | Supplemental   |                   | Substitute       |
|------|----------------------|--------------------|--|-------------------|------------------|
|      |                      |                    |  |                   |                  |
| As a | a below named inve   | entor, I hereby de | clare that:  |                   |                  |
| Му   | residence, post offi | ice address and o  | citizenship are as stated  | below next to my  | name, and        |
| and  | joint inventor (if m | ore than one nan   | e inventor (if only one r<br>ne is listed below) of the<br>on the invention entitled | subject matter wh |                  |
| 5-8  | Substituted 1,1      | -Dioxo-1,2,5-t     | hiadiazolidin-3-on   | e Derivatives     |                  |
| the  | specification of wh  | ich:               |  |                   |                  |
|      | is attached her      | eto.               |  |                   |                  |
|      | was filed on         | (day/mon           | as Application   | n No              |                  |
|      | and, if this box     | (□) contains an    | ×  | ·                 |                  |
|      | □ was an             | mended on          |  |                   | •                |
|      | •                    | (da                | y/month/year)  |                   |                  |
| ×    | was filed as Pa      | atent Cooperation  | Treaty international Ap  | plication No.     |                  |
|      | PCT/EP03/034         | 166                | on <u>02/04/2003</u><br>(day/month/year  | )                 |                  |
|      | and, if this box     | (□) contains an    | ×  |                   |                  |
|      | □ entered            | d the national sta | ge in the United States  | and was accorded  | Application No.  |
|      |                      | ·                  |  |                   |                  |
|      | and, if this box     | (□) contains an    | ×  |                   |                  |
|      | ☐ was an             | nended, subsequ    | ent to entry into the nat  | ional stage, on   |                  |
|      |                      |                    |  |                   | (day/month/year) |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

|   |                 | NIO DATE                        |  | RIORIT       | V C1 A | MED  |  |
|---|-----------------|---------------------------------|--|--------------|--------|------|--|
| COUNTRY/REGION<br>(OR P.C.T.)   | APPLICATION No. | FILING DATE<br>(day/month/year) |  | KIOKII       |        |      |  |
| (01(1.0.7.7)  |                 |                                 |  | Yes          |        | No   |  |
|   |                 |                                 |  | Yes          |        | No   |  |
|   |                 |                                 |  | Yes          |        | No   |  |
|   |                 |                                 |  | Yes          |        | No   |  |
|   |                 |                                 |  | Yes          |        | No . |  |
| I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below: |                 |                                 |  |              |        |      |  |
| APPLICATION NO.   |                 | FILING DATE<br>(day/month/year) |  | <del> </del> | ·      |      |  |
| 60/369,930  |                 | 03/04/2002                      |  |              |        |      |  |
| 60/369,779  |                 | 03/04/2002                      |  |              |        |      |  |

| 101-1                         | United States    | Status (Pending,  | Interna         | ational                             |
|-------------------------------|------------------|-------------------|-----------------|-------------------------------------|
| United States Application No. | Filing Date      | Abandoned or U.S. | Application No. | and Filing Date<br>(day/month/year) |
| '                             | (day/month/year) | Patent No.)       |                 | (day/montally daily                 |

Case

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box ( $\Box$ ) contains an x  $\boxtimes$ , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

|  |  |        | <del></del>      |
|--|--|--------|------------------|
| Full name of sole or first joint inventor  | Gary Mark COPPOLA                                  |        |                  |
| Inventor's signature                       | · · · · · · · · · · · · · · · · · · ·              | Date   | (day/month/year) |
| Residence                                  | Budd Lake, NJ 07828, USA                           |        |                  |
| Citizenship                                | citizen of USA                                     |        |                  |
| Post Office Address                        | 18 Aldersgate Circle<br>Budd Lake, NJ 07828<br>USA |        |                  |
| Full name of second joint inventor, if any | John William DAVIES                                |        |                  |
| Inventor's signature                       | ·  | Date . | (day/month/year) |
| Residence                                  | Winchester MA 01890, USA                           |        |                  |
| Citizenship                                | citizen of Great Britain                           |        |                  |
| Post Office Address                        | 162 Forest Street<br>Winchester MA 01890<br>USA    |        |                  |

| Full name of third joint inventor, if any  | Charles Francis JEWELL, JR.                   |             |                  |
|--|---|-------------|------------------|
| Inventor's signature                       |   | Date<br>- – | (day/month/year) |
| Residence                                  | Sudbury, MA 01776, USA                        |             |                  |
| Citizenship                                | citizen of USA                                |             |                  |
| Post Office Address                        | 38 Lakewood Drive<br>Sudbury, MA 01776<br>USA |             |                  |
| Full name of fourth joint inventor, if any | Yu-Chin LI                                    |             |                  |
| Inventor's signature                       |   | Date -      | (day/month/year) |
| Residence                                  | Edison, NJ 08820, USA                         |             |                  |
| Citizenship                                | citizen of USA                                |             |                  |
| Post Office Address                        | 3 Hawthorn Drive<br>Edison, NJ 08820<br>USA   |             |                  |
| Full name of fifth joint inventor, if any  | James Richard WAREING                         |             |                  |
| Inventor's signature                       |   | Date        |                  |
|  |   |             | (day/month/year) |
| Residence                                  | Stow MA 01775, USA,                           |             |                  |
| Citizenship                                | citizen of USA                                |             | •<br>•           |
| Post Office Address                        | 9 Cricket Court<br>Stow MA 01775              |             |                  |

|          | Full name of sixth joint inventor, if any   | Donald Mark SPERBECK                              |                                |
|----------|---|---|--------------------------------|
| γ' .     | Inventor's signature                        | Date  | (day/month/year)               |
| <i>M</i> | Residence                                   | Berkeley Heights, NJ 07922, USA citizen of USA    |                                |
|          | Citizenship Post Office Address             | 16 Helen Way<br>Berkeley Heights, NJ 07922<br>USA | -                              |
|          | Full name of seventh joint inventor, if any | T <u>ravis Mathew STAMS</u>                       |                                |
| 3        | Inventor's signature                        | Date Date   | Ol/ u/2004<br>(day/month/year) |
| ~        | Residence                                   | Stow MA 01775, USA                                |                                |
|          | Citizenship                                 | citizen of USA                                    |                                |
|          | Post Office Address                         | 23 Robinwood Lane<br>Stow MA 01775<br>USA         |                                |
|          | Full name of eighth joint inventor, if any  | Sidney Wolf TOPIOL                                |                                |
| C        | Inventor's signature                        | Date  | (day/month/year)               |
| ()       | Residence                                   | Fair Lawn, NJ 07410, USA                          |                                |
| 4        | Citizenship                                 | citizen of USA                                    |                                |
|          | Post Office Address                         | 15 Lafayette Place<br>Fair Lawn, NJ 07410<br>USA  |                                |

| Full name of ninth joint inventor, if any    | Isidoros VLATTAS                              |      |                  |
|--|---|------|------------------|
| Inventor's signature                         |   | Date | (day/month/year) |
| Residence                                    | Summit, NJ 07901, USA                         | •    |                  |
| Citizenship                                  | citizen of USA                                |      |                  |
| Post Office Address                          | 131 Butler Parkway<br>Summit, NJ 07901<br>USA |      |                  |
|  |   |      |                  |
| Full name of tenth joint inventor, if any    |   |      |                  |
| Inventor's signature                         |   | Date | (day/month/year) |
| Residence                                    |   |      |                  |
| Citizenship                                  |   |      |                  |
| Post Office Address                          |   |      |                  |
|  |   |      |                  |
| Full name of eleventh joint inventor, if any |   |      |                  |
|  | •   |      | •                |
| Inventor's signature                         |   | Date | (day/month/year) |
| Dasidoneo                                    |   |      |                  |
| Residence                                    |   |      |                  |
| Citizenship                                  | ·   |      | •                |
| Post Office Address                          |   |      |                  |

US Case PC/4 -32444A/32445/USN

# DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION Supplemental Original Substitute As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled 5-Substituted 1,1-Dioxo-1,2,5-thiadiazolidin-3-one Derivatives the specification of which: is attached hereto. was filed on as Application No. and, if this box ( ) contains an \* was amended on (day/month/year) × was filed as Patent Cooperation Treaty international Application No. PCT/EP03/03466 02/04/2003 (day/month/year) and, if this box ( ) contains an x entered the national stage in the United States and was accorded Application No. and, if this box ( ) contains an \* was amended, subsequent to entry into the national stage, on

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

(day/month/year)

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

| COUNTRY/REGION<br>(OR P.C.T.)       | APPLICATION No.            | FILING DATE<br>(day/month/year) | P      | RIORITY    | CLA     | IMED      |
|-------------------------------------|----------------------------|---------------------------------|--------|------------|---------|-----------|
| (OK 1.0.1.)                         |                            |                                 |        | Yes        |         | No        |
|                                     |                            |                                 |        | Yes        |         | No        |
|                                     |                            |                                 |        | Yes        |         | No        |
|                                     |                            |                                 |        | Yes        |         | No        |
|                                     |                            |                                 |        | Yes        |         | No .      |
| I hereby claim the benefi<br>below: | t under 35 U.S.C. 119(e) c | of any United States pro        | vision | al applica | ation(s | s) listed |
| APPLICATION NO.                     |                            | FILING DATE<br>(day/month/year) |        | · .        |         |           |
| 60/369,930                          |                            | 03/04/2002                      |        |            |         |           |
| 60/369,779                          |                            | 03/04/2002                      |        |            |         |           |

|                               | Links d Chatan                             | Status (Pending,               | Interna         | ational                             |
|-------------------------------|--|--------------------------------|-----------------|-------------------------------------|
| United States Application No. | United States Filing Date (day/month/year) | Abandoned or U.S.  Patent No.) | Application No. | and Filing Date<br>(day/month/year) |

If this box ( $\square$ ) contains an x  $\boxtimes$ , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| Full name of sole<br>or first joint inventor | Gary Mark COPPOLA                                  |        | ·                |
|--|--|--------|------------------|
| Inventor's signature                         |  | Date _ | (day/month/year) |
| Residence                                    | Budd Lake, NJ 07828, USA                           | •      |                  |
| Citizenship                                  | citizen of USA                                     |        |                  |
| Post Office Address                          | 18 Aldersgate Circle<br>Budd Lake, NJ 07828<br>USA |        |                  |
| Full name of second joint inventor, if any   | John William DAVIES                                |        |                  |
| Inventor's signature                         |  | Date _ | (day/month/year) |
| Residence                                    | Winchester MA 01890, USA                           |        | -                |
| Citizenship                                  | citizen of Great Britain                           |        |                  |
| Post Office Address                          | 162 Forest Street<br>Winchester MA 01890<br>USA    |        |                  |

| Full name of third joint inventor, if any  | Charles Francis JEWELL, JR.                   |        | •                |
|--|---|--------|------------------|
| Inventor's signature                       |   | Date – | (day/month/year) |
| Residence                                  | Sudbury, MA 01776, USA                        |        |                  |
| Citizenship                                | citizen of USA                                |        |                  |
| Post Office Address                        | 38 Lakewood Drive<br>Sudbury, MA 01776<br>USA |        |                  |
| Full name of fourth joint inventor, if any | Yu-Chin Ll                                    |        |                  |
| Inventor's signature                       |   | Date _ | (day/month/year) |
| Residence                                  | Edison, NJ 08820, USA                         |        |                  |
| Citizenship                                | citizen of USA                                |        |                  |
| Post Office Address                        | 3 Hawthorn Drive<br>Edison, NJ 08820<br>USA   |        |                  |
| Full name of fifth joint inventor, if any  | James Richard WAREING                         |        |                  |
| Inventor's signature                       | ,   | Date   |                  |
|  |   | -      | (day/month/year) |
| Residence                                  | Stow MA 01775, USA,                           |        |                  |
| Citizenship                                | citizen of USA                                |        |                  |
| Post Office Address                        | 9 Cricket Court<br>Stow MA 01775<br>USA       |        |                  |

| Full name of sixth joint inventor, if any   | Donald Mark SPERBECK                              |        | · · · · · · · ·  |
|---|---|--------|------------------|
| Inventor's signature                        |   | Date - | (day/month/year) |
| Residence                                   | Berkeley Heights, NJ 07922, USA                   |        |                  |
| Citizenship                                 | citizen of USA                                    |        |                  |
| Post Office Address                         | 16 Helen Way<br>Berkeley Heights, NJ 07922<br>USA |        |                  |
| Full name of seventh joint inventor, if any | Travis Mathew STAMS                               |        |                  |
| Inventor's signature                        |   | Date   | (day/month/year) |
| Residence                                   | Stow MA 01775, USA                                |        |                  |
| Citizenship                                 | citizen of USA                                    |        |                  |
| Post Office Address                         | 23 Robinwood Lane<br>Stow MA 01775<br>USA         |        |                  |
| Full name of eighth joint inventor, if any  | Sidney Wolf TOPIOL                                |        |                  |
| Inventor's signature                        | -4  | Date   | (day/month/year) |
| Residence                                   | Fair Lawn, N <del>9</del> 07410, USA              |        |                  |
| Citizenship                                 | citizen of USA                                    |        |                  |
| Post Office Address                         | 15 Lafayette Place<br>Fair Lawn, NJ 07410<br>USA  |        |                  |

Post Office Address

| Full name of ninth joint inventor, if any    | Isidoros VLATTAS                              |          |                  |
|--|---|----------|------------------|
| Inventor's signature                         |   | Date _   | (day/month/year) |
| Residence                                    | Summit, NJ 07901, USA                         |          |                  |
| Citizenship                                  | citizen of USA                                |          |                  |
| Post Office Address                          | 131 Butler Parkway<br>Summit, NJ 07901<br>USA |          |                  |
| Full name of tenth                           |   | <u> </u> |                  |
| joint inventor, if any                       |   |          |                  |
|  | •   | Date     |                  |
| Inventor's signature                         |   |          | (day/month/year) |
| Residence                                    |   |          |                  |
| Citizenship                                  |   |          |                  |
| Post Office Address                          |   |          |                  |
|  | ·   |          |                  |
| Full name of eleventh joint inventor, if any |   |          |                  |
|  |   | Date     |                  |
| Inventor's signature                         |   |          | (day/month/year) |
| <b>—</b> 11                                  |   |          |                  |
| Residence                                    |   |          | •                |
| Citizenship                                  |   |          |                  |

#### **DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION**

| ×     | Original                       |       | Supplemental   |               | Substitute                            |
|-------|--------------------------------|-------|--|---------------|---------------------------------------|
| As a  | a below named inventor, I here | by d  | eclare that:   |               | ••                                    |
| My ı  | esidence, post office address  | and   | citizenship are as stated below next to  | my r          | name, and                             |
| and   |                                | e nar | le inventor (if only one name is listed<br>ne is listed below) of the subject matte<br>on the invention entitled |               |                                       |
| 5-S   | ubstituted 1,1-Dioxo-1,2       | 2,5-1 | hiadiazolidin-3-one Derivative   | es            |                                       |
| the s | specification of which:        | -     |  |               | •                                     |
|       | is attached hereto.            | ·     |  |               |                                       |
|       | was filed on (day              | /mon  | as Application No.   | <del></del> . | <u> </u>                              |
|       | and, if this box (□) contains  | s an  | ×  |               |                                       |
|       | □ was amended on               | (da   | y/month/year)  |               | · · · · · · · · · · · · · · · · · · · |
| ×     | was filed as Patent Coopera    | ation | Treaty international Application No.   |               |                                       |
|       | PCT/EP03/03466                 |       | on <u>02/04/2003</u><br>(day/month/year)   |               |                                       |
|       | and, if this box (□) contains  | an    | ×  |               |                                       |
|       | entered the nationa            | l sta | ge in the United States and was accor  | ded /         | Application No.                       |
|       | and, if this box (□) contains  | an    | <del></del>  |               |                                       |
|       | was amended, subs              | equ   | ent to entry into the national stage, on   |               |                                       |
|       | ·                              | •     |  | _             | (day/month/year)                      |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

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| COUNTRY/REGION<br>(OR P.C.T.)        | APPLICATION No.            | FILING DATE<br>(day/month/year) | P            | RIORIT    | Y CLA   | IMED      |
|--------------------------------------|----------------------------|---------------------------------|--------------|-----------|---------|-----------|
| (0.1.1.0.1.7)                        |                            | <del></del>                     |              | Yes       |         | No        |
|                                      |                            | ,                               |              | Yes       |         | No        |
|                                      |                            |                                 |              | Yes       |         | No        |
|                                      |                            |                                 |              | Yes       |         | No        |
|                                      |                            |                                 |              | Yes       |         | No .      |
| I hereby claim the benefit<br>below: | t under 35 U.S.C. 119(e) c | of any United States pro        | ovision      | al applic | ation(s | s) listed |
| APPLICATION NO.                      |                            | FILING DATE<br>(day/month/year) | <del> </del> |           |         |           |
| 60/369,930                           |                            | 03/04/2002                      |              |           |         |           |

|                               | Little d Chatan                            | Status (Pending,               | Interna         | ational                             |
|-------------------------------|--|--------------------------------|-----------------|-------------------------------------|
| United States Application No. | United States Filing Date (day/month/year) | Abandoned or U.S.  Patent No.) | Application No. | and Filing Date<br>(day/month/year) |

If this box  $(\Box)$  contains an  $x \boxtimes$ , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

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| Full name of sole or first joint inventor  | Gary Mark COPPOLA                                  |        |                  |
|--|--|--------|------------------|
| Inventor's signature                       | •  | Date   | (day/month/year) |
| Residence                                  | Budd Lake, NJ 07828, USA                           |        | ·                |
| Citizenship                                | citizen of USA                                     |        |                  |
| Post Office Address                        | 18 Aldersgate Circle<br>Budd Lake, NJ 07828<br>USA |        |                  |
| Full name of second joint inventor, if any | John William DAVIES                                |        |                  |
| Inventor's signature                       |  | Date - | (day/month/year) |
| Residence                                  | Winchester MA 01890, USA                           |        |                  |
| Citizenship                                | citizen of Great Britain                           |        |                  |
| Post Office Address                        | 162 Forest Street<br>Winchester MA 01890<br>USA    |        |                  |

| Full name of third joint inventor, if any  | Charles Francis JEWELL, JR.                   |        |                  |
|--|---|--------|------------------|
| Inventor's signature                       |   | Date _ | (day/month/year) |
| Residence                                  | Sudbury, MA 01776, USA                        |        |                  |
| Citizenship                                | citizen of USA                                |        |                  |
| Post Office Address                        | 38 Lakewood Drive<br>Sudbury, MA 01776<br>USA |        |                  |
| Full name of fourth joint inventor, if any | Yu-Chin LI                                    |        |                  |
| Inventor's signature                       |   | Date _ | (day/month/year) |
| Residence                                  | Edison, NJ 08820, USA                         |        |                  |
| Citizenship                                | citizen of USA                                |        |                  |
| Post Office Address                        | 3 Hawthorn Drive<br>Edison, NJ 08820<br>USA   |        |                  |
| Full name of fifth joint inventor, if any  | James Richard WAREING                         |        |                  |
| Inventor's signature                       |   | Date   |                  |
| HIVEHUI 3 SIGNATA                          | `   |        | (day/month/year) |
| Residence                                  | Stow MA 01775, USA,                           |        |                  |
| Citizenship                                | citizen of USA                                |        |                  |
| Post Office Address                        | 9 Cricket Court<br>Stow MA 01775<br>USA       |        |                  |

USA

| Full name of sixth joint inventor, if any   | Donald Mark SPERBECK                              |        |                    |
|---|---|--------|--------------------|
| Inventor's signature                        |   | Date - | (day/month/year)   |
| Residence                                   | Berkeley Heights, NJ 07922, USA                   |        |                    |
| Citizenship                                 | citizen of USA                                    |        |                    |
| Post Office Address                         | 16 Helen Way<br>Berkeley Heights, NJ 07922<br>USA |        |                    |
| Full name of seventh joint inventor, if any | Travis Mathew STAMS                               |        |                    |
| Inventor's signature                        | ;<br>   | Date   | (dayler oath (soo) |
|   |   |        | (day/month/year)   |
| Residence                                   | Stow MA 01775, USA                                |        |                    |
| Citizenship                                 | citizen of USA                                    |        |                    |
| Post Office Address                         | 23 Robinwood Lane<br>Stow MA 01775<br>USA         |        |                    |
| Full name of eighth joint inventor, if any  | Sidney Wolf TOPIOL                                |        |                    |
| Inventor's signature                        |   | Date   | (day/month/year)   |
| Residence                                   | Fair Lawn, NJ 07410, USA                          |        | ,                  |
| Citizenship                                 | citizen of USA                                    |        |                    |
| Post Office Address                         | 15 Lafayette Place<br>Fair Lawn, NJ 07410         |        |                    |

Post Office Address

| Full name of ninth joint inventor, if any    | Isidoros VLATTAS  Whattow                     | Date _ | 23/11/200<br>(day/month/year) |
|--|---|--------|-------------------------------|
| Residence                                    | Summit, NJ 07901, USA                         |        |                               |
| Citizenship                                  | citizen of USA                                |        |                               |
| Post Office Address                          | 131 Butler Parkway<br>Summit, NJ 07901<br>USA |        |                               |
| Full name of tenth joint inventor, if any    |   |        |                               |
| Inventor's signature                         | :   | Date   | (day/month/year)              |
| Residence                                    |   | •      |                               |
| Citizenship                                  |   |        |                               |
| Post Office Address                          | ·   |        |                               |
| Full name of eleventh joint inventor, if any |   |        |                               |
| Inventor's signature                         |   | Date   |                               |
|  |   |        | (day/month/year)              |
| Residence                                    | •   |        |                               |
| Citizenship                                  |   |        | ·                             |